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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/849,053	05/20/2004	Masahiro Ogawa	60188-865	6747
7:	590 10/03/2005		EXAMINER	
Jack Q. Lever, Jr. McDERMOTT, WILL & EMERY 600 Thirteenth Street, N.W.			MONDT, JOHANNES P	
			ART UNIT	PAPER NUMBER
	C 20005-3096		2826	
			DATE MAILED: 10/03/2003	5

Please find below and/or attached an Office communication concerning this application or proceeding.

			AL
	Application No.	Applicant(s)	7/-
	10/849,053	OGAWA, MASAHIRO	
Office Action Summary	Examiner	Art Unit	
	Johannes P. Mondt	2826	
The MAILING DATE of this communication a	ppears on the cover sheet wit	h the correspondence address	•
Period for Reply		2NT ((0) OD T((DT)((00) DA)(
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perior - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNIC 1.136(a). In no event, however, may a re d will apply and will expire SIX (6) MONT tte, cause the application to become ABA	ATION. ply be timely filed "HS from the mailing date of this communicat ANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 16	September 2005.		
	is action is non-final.		
3) Since this application is in condition for allow	ance except for formal matte	ers, prosecution as to the merits	is
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-13 is/are pending in the application	n.	•	
4a) Of the above claim(s) 3-13 is/are withdraw			
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1 and 2</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and	or election requirement.		
Application Papers			
9) The specification is objected to by the Examir	ner.		
10)☐ The drawing(s) filed on is/are: a)☐ ad	cepted or b) objected to b	y the Examiner.	
Applicant may not request that any objection to th	e drawing(s) be held in abeyand	e. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the corre	ction is required if the drawing(s	i) is objected to. See 37 CFR 1.121	(d).
11) The oath or declaration is objected to by the E	Examiner. Note the attached	Office Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
12)⊠ Acknowledgment is made of a claim for foreig a)⊠ All b)□ Some * c)□ None of:	n priority under 35 U.S.C. §	119(a)-(d) or (f).	
1. Certified copies of the priority documer	nts have been received.		
Certified copies of the priority documer	nts have been received in Ap	plication No	
Copies of the certified copies of the pri	· ·	eceived in this National Stage	
application from the International Bure			
* See the attached detailed Office action for a lis	st of the certified copies not re	eceived.	
Marshau (A.)			
Attachment(s) Notice of References Cited (PTO-892)	4) 🔲 Interview Su	mmary (PTO 412)	
P) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)	Mail Date	
B) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date <u>5/20/04</u> .	5)	ormal Patent Application (PTO-152) -	

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of the Group I invention (claims 1-2) in the reply filed on 9/16/05 is acknowledged.

Information Disclosure Statement

The examiner has considered the Information Disclosure Statement (IDS) filed 5/20/04 to the extent possible based on the form of the submission by Applicant: only the abstract has been considered. A signed copy of Form PTO-1449 is herewith enclosed.

In view of the apparent pertinence of Sakai's invention (see below) examiner kindly requests that IDS item JP 2001345478 A be made available by IDS in full, certified English translation.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claims 1-2 are rejected under 35 U.S.C. 102(e) as being anticipated by Sakai (6,681,270 B2).

Sakai teaches a semiconductor device (title, abstract, Figures 1-3 and cols. 3-5) comprising an active layer 16 (col. 3, I. 28-61) (N.B.: 16 is the active layer because when a voltage is applied to the light emitting element having a three –layered structure12/16/18 light is emitted while said light inherently is emitted from recombination of electrons and holes accelerated in opposite directions by menas of said voltage, which recombination mainly takes place in the undoped region between n-doped and p-doped layers 12 and 18, i.e., in the light emitting layer 16) constituted by a Group III nitride semiconductor layer 16 (loc.cit.) containing at least three different elements including at least aluminum (namely: AlGaN) (col. 3, I. 41), wherein the active layer exhibits a fluctuation in the bandgap based on a variation in the distribution of the aluminum content in the active layer (col. 3, I. 41-60 and col. 4, I. 1-7).

On claim 2: The device of claim 22 would necessarily have to be formed in order to function. Claim 2 fails to further limit the device of claim 1 other than at most simply form each of its components.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Sakai (JP 2001-345478 A, made of record by Applicant in IDS filed 5/20/04.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Johannes P. Mondt whose telephone number is 571-272-1919. The examiner can normally be reached on 8:00 - 18:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan J. Flynn can be reached on 571-272-1915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JPM September 22, 2005

Patent Examiner:

Johannes Mondt (Art Unit: 2826)